

Title (en)
VINYL POLYMER PRODUCTION METHOD

Title (de)
VINYL POLYMER HERSTELLUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE FABRICATION DE POLYMÈRE VINyliQUE

Publication
EP 3564271 A1 20191106 (EN)

Application
EP 17885922 A 20171227

Priority
• JP 2016256532 A 20161228
• JP 2017047106 W 20171227

Abstract (en)
There is provided a method for producing a vinyl polymer by suspension-polymerizing a vinyl compound in the presence of a dispersion stabilizer for suspension polymerization, wherein the dispersion stabilizer comprises a composition (C) comprising a modified polyvinyl alcohol (A) and a compound (B), as well as a polyvinyl alcohol (E); the modified polyvinyl alcohol (A) comprises double bonds derived from an unsaturated carboxylic acid or a derivative thereof in side chains; the compound (B) is a compound having two or more hydroxy groups bonded to a conjugated double bond; the modified polyvinyl alcohol (A) has a saponification degree and a viscosity-average polymerization degree different from those of the polyvinyl alcohol (E); a content of the compound (B) in the composition (C) is 0.001 parts by mass or more and less than 5 parts by mass based on 100 parts by mass of the modified polyvinyl alcohol (A); and a mass ratio (C/E) of the composition (C) to the polyvinyl alcohol (E) is 50/50 to 90/10. By this means, suspension polymerization of a vinyl compound becomes highly stable and coloring of a polymer obtained and fisheyes in the polymer can be suppressed.

IPC 8 full level
C08F 2/20 (2006.01); **C08F 8/14** (2006.01); **C08F 16/06** (2006.01); **C08K 5/13** (2006.01); **C08L 29/04** (2006.01); **C09K 23/38** (2022.01); **C09K 23/52** (2022.01)

CPC (source: EP KR US)
C08F 2/20 (2013.01 - EP KR); **C08F 8/14** (2013.01 - EP KR); **C08F 14/06** (2013.01 - EP); **C08F 16/06** (2013.01 - KR); **C08F 114/06** (2013.01 - US); **C08J 3/05** (2013.01 - US); **C08K 5/13** (2013.01 - KR); **C08L 27/06** (2013.01 - EP); **C08L 29/04** (2013.01 - KR US); **C08L 2201/54** (2013.01 - US); **C08L 2205/025** (2013.01 - EP); **C08L 2205/03** (2013.01 - EP)

C-Set (source: EP)
1. **C08F 14/06** + **C08F 2/20**
2. **C08L 27/06** + **C08K 5/1345** + **C08L 29/04** + **C08L 29/04**

Cited by
EP3819316A4; US11414507B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3564271 A1 20191106; **EP 3564271 A4 20200624**; **EP 3564271 B1 20210901**; CN 110312738 A 20191008; CN 110312738 B 20211029; JP 6810165 B2 20210106; JP WO2018124242 A1 20191031; KR 102188817 B1 20201211; KR 20190100336 A 20190828; TW 201833143 A 20180916; TW I772351 B 20220801; US 11365271 B2 20220621; US 2019330396 A1 20191031; WO 2018124242 A1 20180705

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EP 17885922 A 20171227; CN 201780087466 A 20171227; JP 2017047106 W 20171227; JP 2018559615 A 20171227; KR 20197022051 A 20171227; TW 106146151 A 20171228; US 201716473682 A 20171227